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**United States Patent And Trademark Office**  
**COMMISSIONER FOR PATENTS**  
**Attn: Van H. Nguyen, Primary Examiner**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**

January 6th, 2008

Dear Officer,

Ref. Your Non-Final Rejection Mailed on 10/09/2007, Application No. 10/604,681

This is our response to your non-final rejection of the above-mentioned patent application. Regarding deficiencies in specification, descriptive title, abstract, please give further instructions on the exact procedure, syntax, and format of making amendments or corrections. Amended claims are submitted as a separate document.

**Non-Statutory Subject Matter**

Claims 1-33 have been amended to limit to statutory subject matter. Claims 34-48 are cancelled.

**Prior Art**

The present invention (called INVENTION hereafter) under the above-mentioned patent application is about invoking Web services by dynamically generating Web-based forms and client stubs. INVENTION specification [0010-0013] discusses the spectrum of Web Services technologies. While most Prior Art covers the first two categories of service creation and deployment, INVENTION is on the third category of service invocation.

**Williams (US 20040015564 A1)**

[0007] is about creating and deploying Web services, which are not covered by INVENTION.

[0008] talks about publishing and monitoring Web services, which are not covered by INVENTION.

[0054-0095 and Figs. 1-11]

Specifies the full life cycle of creating/developing Web services, and does NOT cover how a Web service is invoked from the client side.

**Karakashian (US 20040045005 A1)**

[0006] The interceptor resides on the server to handle SOAP messages sent by a client, such as one from INVENTION.

[0007] The Codec is encoding/decoding SOAP messages on the server while INVENTION is encoding/decoding on the client side. INVENTION is not necessarily encoding/decoding between XML and Java; it can be XML and any other programming languages. Also, INVENTION does not make any claims on XML codec because well-known open source implementations like Apache Axis pre-existed.

Amended dependent claims 6, 17, and 28, are about constructing data inputs taken from Web-forms submitted by a human user. Constructed data inputs (INVENTION Fig. 5) then feed into a client side codec like Apache Axis to generate SOAP request messages.

[0011-0077 and Figs. 1-2]

Mainly covers service creation, deployment, and server side message handling.

[0063-0066] discusses a thin test client driven by an Ant task, which is a static client to be reprogrammed or reconfigured for each new Web service. INVENTION is a method, system, and computer program product to make a dynamic client application tool:

- 1) Once the application tool is made, it works for all Web services as long as they expose themselves as standard compliant WSDLs;
- 2) The application tool generates a coding-free client for each Web service, i.e., a human user of the tool does not need to know or perform any computer programming, not even any Ant scripting, in order to invoke/consume a Web service.

With the amended claims, INVENTION expands Web Services innovations on top of prior art. Together, INVENTION and prior art share the fundamental framework of SOAP, WSDL, and UDDI as discussed in Curbera et al. 2002. However, we innovate in specific areas of the Web Services technology. A deep look at INVENTION does not find any overlapping with prior art.

Your reexamination of our amended claims and further guidance of amending specification will be highly appreciated! We at gMorpher Inc are looking forward to hearing from you soon. Wish you a prosperous New Year!

Sincerely,

/Hongyu Wu/

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Encl. Amended Claims (A document of conforming syntax has been submitted separately.)